

Mouse Anti-Porcine Syntaxin 1B Monoclonal Antibody

Cat. No.: VD8N240

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for syntaxin 1B. It is affinity purified by protein A. It can be applied to WB, IF, IHC and ELISA assays of syntaxin 1B.

Specifications

Application	WB; IF; IHC; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G5N53
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Syntaxin 1B
Isotype	IgG1
Immunogen	Recombinant protein of syntaxin 1B
Purification	Protein A Purified
Concentration	1000 µg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline with 50% Glycerol, pH 7.3
Physical State	Liquid

Target Information

Porcine syntaxin 1B (pSTX1B) is a member of the syntaxin protein family, which are integral components of the SNARE (Soluble NSF Attachment Protein Receptor) complex. This complex is essential for the process of membrane fusion, particularly in the neuron

al vesicular trafficking and the release of neurotransmitters at the synapses. pSTX1B, as a part of the synaptic vesicle fusion machinery, plays a critical role in the regulation of neurotransmitter release, which is fundamental for synaptic transmission and neuronal communication. It interacts with other SNARE proteins and regulatory proteins to ensure the precise timing and location of vesicle fusion events.

Target	Syntaxin 1B
Target Synonym	STX1B; STX1B1
Gene ID	100512651
UniProt ID	A0A4X1TK88

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt.

Reference

Mishima, Tatsuya, *et al.* "Syntaxin 1B, but not syntaxin 1A, is necessary for the regulation of synaptic vesicle exocytosis and of the readily releasable pool at central synapses." *Plos one* 9.2 (2014): e90004.

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